

Appl. No. 09/856,342
Amdt. Dated January 24, 2005
Reply to Office Action of October 26, 2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

1 – 6 (cancelled)

7. (currently amended) A method of burning a nitrogen-containing fuel while reducing the emission of nitrogen oxides, said method including the steps of:

producing a sub-stoichiometric primary zone in the form of a flame core from all of the fuel and primary air, and supplying said flame core with a nitrogen oxide reducing agent so that said reducing agent is distributed within said flame core, wherein said reducing agent is a nitrogen compound or a hydrocarbon.

8. (original) A method according to claim 7, wherein a temperature of greater than 1100°C is established in said sub-stoichiometric flame core.

9. (previously presented) A method according to claim 7, wherein said sub-stoichiometric flame core is enveloped with a veil of secondary air.

10. (cancelled)

11. (previously presented) A method according to claim 7 wherein said nitrogen oxide reducing agent is introduced into said sub-stoichiometric flame core mixed together with the fuel.

12. (previously presented) A method according to claim 7, wherein said nitrogen oxide reducing agent is introduced into said sub-stoichiometric flame core mixed together with the primary air.

13. – 15. (cancelled)

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16. (previously presented) A method according to claim 7, wherein said nitrogen oxide reducing agent is a nitrogen compound comprising at least one compound selected from the group consisting of ammonia, ammonia water, and urea.

17. (previously presented) A method according to claim 7, wherein said nitrogen oxide reducing agent is a nitrogen compound comprising at least one compound selected from the group consisting of natural gas and methane.

18. (previously presented) A method according to claim 9, wherein said veil of secondary air is enveloped within a further veil of tertiary air.

19. (previously presented) A method according to claim 7, wherein supplying said flame core with a nitrogen oxide reducing agent so that said reducing agent is distributed within said flame core includes supplying said flame core with a nitrogen oxide reducing agent so that said reducing agent is uniformly distributed within said flame core.